



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

RBW6405G08832-3G-PO

Job Sheet 186398



Part No: RBW6405G08832-3G-PO

Job Qty: 1 pcs

Part Name: Tail Rotor Bushing Install Tool



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/15/18

Job Tracking No:

Due Date: 2/7/19 04/11/2019

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RBW6405G08832-3G Rev.D IPP Rev. A 18.10.23 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard Setup Hrs	Run Hrs	Workcenter/Supplier	Sign-off
							Workcenter / Supplier Lead Time	
100	Purchasing	1 pcs	04/11/19	2/7/19	0.00	0.00	Purchasing - 1	APR 1 1 2019
							Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	1 pcs	04/11/19	2/7/19	0.00	0.00	Packaging 2 - 2 - B4B	APR 1 1 2019
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
120	QC 6	1 pcs	04/11/19	2/7/19	0.00	0.00	QC 6 - 9	APR 1 2 2019 DAS 40 9-89
							QC 6 - 68	
							QC 6 - 61	
130	Packaging 3-1 - Stock - B4B	1 pcs	04/11/19	2/7/19	0.00	0.00	Packaging 3 - 1 - B4B	DAS 28 9-89
							Packaging 3 - 2 - B4B	
							Packaging 3 - 3 - B4B	
							Packaging 3 - 4 - B4B	
							Packaging 3 - 5 - B4B	
							Packaging 3 - 6 - B4B	
							Packaging 3 - 7 - B4B	
							Packaging 3 - 8 - B4B	
							Packaging 3 - 9 - B4B	
							Packaging 3 - 10 - B4B	
							Packaging 3 - 11 - B4B	
							Packaging 3 - 12 - B4B	
							Packaging 3 - 13 - B4B	

DART
AEROSPACE

Container No: S171589



Part: RBW6405G08832 - 3G
Job No: 186398
Serial No/Batch: S171589
Revision: D
Inspector:
Exp Date:
Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 04/11/19

Plex 4/2/19 9:05 AM Dart.Hadley.Shannon



Container No: S171589



Part: RBW6405G08832 - 3G

Job No: 186398

Serial No/Batch: S171589

Revision: D

Inspector:

Exp Date:

Instructions:

Date: 04/11/19

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - FG	1 pcs	2/7/19	0.00 0.00	QC 21 - FG - 21	DAS
				QC 21 - FG - 70	21
				QC 21 - FG - 53	9-89
Part Op 100 - Issue P/O: _____ MANUFACTURE RBW6405G08832-3G AS PER DWG Supplier: METEC Certificate of Descriptions: conformity is required 110 - (Receive & Inspect for Damage & Mat'l Certs) 120 - (QC6- All purchased or subcontracted products) 130 - (Identify as per dwg & Stock Location: _____) 140 - (QC21- Final Inspection - Work Order Release)					
PO Details					
Metec Metal Technology Inc. (mem001-vc)  PO No: PO041736 Line No: 6					
Job BOM					
Part / Item	Component Name	Quantity	Operation	Container	
RBW6405G08832-3GP	Tail Rotor Bushing Install Tool	1 Ea (1 ea)	100-Purchasing	5171588	
Job Allocations					
Operation	Component Part	Required	Inventory	Allocated	
100-Purchasing	RBW6405G08832-3GP	1	0	0	
Part Specifications					
Specifications could not be found.					



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RBW6405G08832-3G-PO

Job Sheet 186398



Part No: RBW6405G08832-3G-PO

Job Qty: 1 ea

Part Name: Tail Rotor Bushing Install Tool



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 11/15/18

Job Tracking No:

Due Date: 2/7/19

Created By: Patrick Lussier

Type: Stock

Description:

Note: DWG RBW6405G08832-3G Rev.D IPP Rev. A 18.10.23 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	1 pcs		2/7/19	0.00	0.00	Purchasing		
110	Packaging	1 pcs		2/7/19	0.00	0.00	Packaging2		
120	QC	1 pcs		2/7/19	0.00	0.00	QC6		
130	Packaging	1 pcs		2/7/19	0.00	0.00	Packaging3		
140	QC21-FG	1 Ea		2/7/19	0.00	0.00	QC21		

Part Op 100 - Issue P/O: _____ MANUFACTURE RBW6405G08832-3G AS PER DWG Supplier: METEC Certificate of Descriptions: conformity is required

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
RBW6405G08832-3GP	Tail Rotor Bushing Install Tool	1 Ea (1 ea)	100-Purchasing	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	RBW6405G08832-3GP	1	0	0

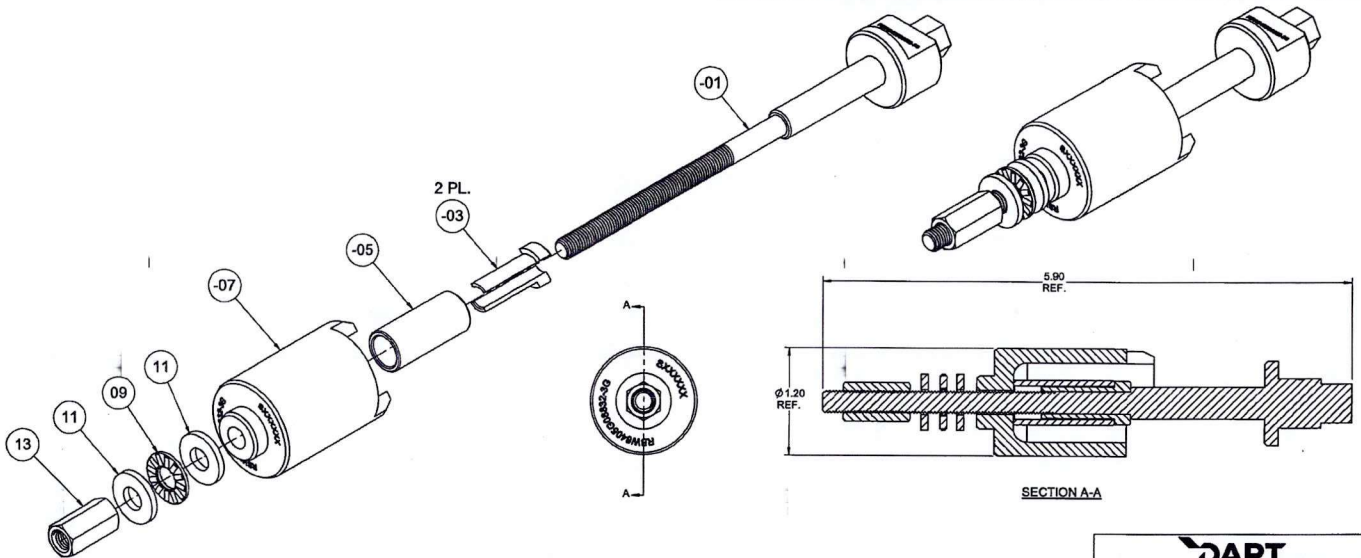
Part Specifications

Specifications could not be found.

Plex 11/15/18 9:42 AM dart.Lussier.Patrick

ITEM #	QTY	PART #	TITLE	PG
-01	1	RBW6405G08832-3G-01	INSTALL ROD	2
-03	2	RBW6405G08832-3G-03	KEEPERS	3
-05	1	RBW6405G08832-3G-05	LOCK TUBE	4
-07	1	RBW6405G08832-3G-07	RECEIVER	5
09	1	TIMKEN NTA-411	THRUST BEARING 1/4" ID	-
11	2	TIMKEN TRC-411	THRUST WASHER 1/4" ID	-
13	1	MSC#64828082	COUPLING NUT 1/4"-28 UNF	-

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	SHT 1 CHANGED QTY MADE FROM 2 TO 4 ITEM-03, -05 CORRECTED WALL THK. SHT 3 ADDED TOL ON Ø.250 PER GE SHT 5 CORRECTED TYN ENGRAVE NOTE.	-	3-11-11	JAG	DW
1	CHD -05 O.D. FROM Ø.490 [12.6mm] PER S.E.	-	3-11-11	RJC	SE
1A	-7 CHD MATERIAL WAS 8061 IS 7075, -11 CHD B.O. WAS TIMKEN TRA-411 IS TIMKEN TRC-411.	-	3-12-13	BIM	DW
2	-07 CORRECTED .04in [1mm] X 30 (X2) CHAMFER ORIENTATION ON 1.20in TO MATCH ORIENTATION ON THE 59in.	-	7-31-13	RJC	GE
D	TOLERANCES ADDED ON SHEET 2 & 3, TEMPLATE UPDATED, Ø4 x 45° CMF ADDED ON SHEET 1, ENGRAVE PIN CHANGED ON SHEET 2 & SHEET 5, -05 CHANGE MATERIAL TO ALUMINIUM	17-693	17.11.10	VM	WM



RBW6405G08832-3G TAIL ROTOR BUSHING INSTALL TOOL

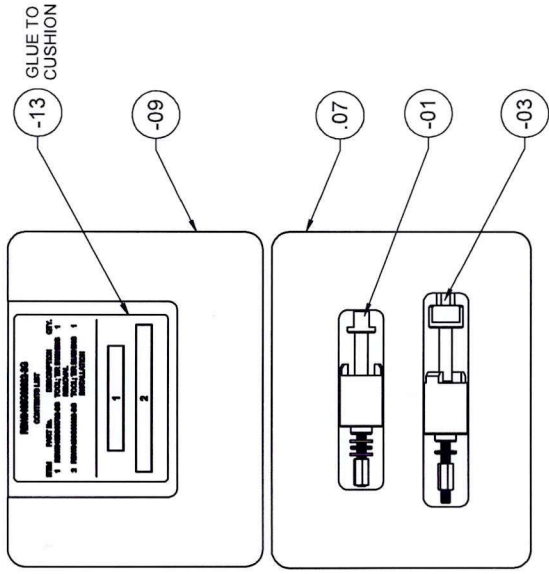
NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) SPEC: N/A
- 5) BREAK ALL SHARP EDGES .015 x 45° OR .015R
- 6) IDENTIFICATION: N/A
- 7) USED IN KIT RBW6405G08832-3G

DART AEROSPACE Hamilton, Ontario, Canada	
TITLE TAIL ROTOR BUSHING INSTALL TOOL	
REV D	
DESIGN NO. RBW6405G08832-3G	
DESIGN BY: VM 10/2/2017	CHK'D BY: VM 10/2/2017
DRAWN BY: VM 11/28/2017	3D BY: VM 11/28/2017
DATE: 11/28/2017	DATE: 11/28/2017
APPROVED: VM 11/28/2017	APPROVED: VM 11/28/2017
SCALE: NTS	WEIGHT: N/A
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REV#	DESCRIPTION	DATE	INITIAL	APPROVED
A	SEPARATED OUT FROM KIT	3/4/11	JAG RW	
B	13 CHID LETTERING COLOR WAS ALUMINUM IS WHITE. CHID MATERIAL IN BOM WAS ALUMINUM IS PLASTIC. -9 CHID MATERIAL WAS EPDM IS Y-20. BLACK.	3/2/13	BIM	RJC



TITLE				PART # QTY				DESCRIPTION		MATERIAL		BIO INFORMATION		Pg	
 RED BARN MACHINE TAIL ROTOR BUSHING KIT															
DWG NO. RBW6405G08632-3G										REV B		DRAWN BY: PERRITT APPROVED: _____ CHECKED: _____ DESIGNED: _____ USED ON MODEL: AGUSTA			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: METRIC .XX ± .005 .X ± .01 FRACTIONS ± 1/32 UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 ± .005 R .015 P 2. DIM. SOCIAL LIMITS APPLY AFTER CUTTING															
B0	-01	1	T/R BUSHING REMOVAL TOOL	T/N RBW6405G08632-3G		1									
B0	-03	1	T/R BUSHING INSTALL TOOL	T/N RBW6405G08632-3G		1									
B0	-05	1	HARD CASE	PELICAN #AMP-1200-E		N/S									
B0	-07	1	BOTTOM TOOL PROTECTOR	3 x 7-1/4 x 9-1/2 I.R. SPECIALTIES		2									
B0	-09	1	TOP TOOL PROTECTOR	1-3/16 x 7-1/4 x 9-1/2 I.R. SPECIALTIES		3									
B0	-11	1	RB PLACARD. (on case top)	ALUMINUM		N/S									
B0	-13	1	INSIDE PLACARD. (fastened)	PLASTIC		4									
SCALE										NTS		8-24-10		SHEET 1 of 4	



Dart Aerospace Ltd.
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K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO041736**



Supplier: MEM001-VC
Metec Metal Technology Inc.
20 Terry Fox Drive PO Box 781
Vankleek Hill
ON
K0B 1R0 Canada
Phone: 613 678 3957
Fax: 613 678 3956

Attention: Walz, Shigi

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO041736
PO Date: 11/15/18
Due Date: 4/12/19
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Belanger, NatashaPhone:

Via: Ground
Pynt Terms: Net 60
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	186399	RBW6205G08031-3GP			Main Rotor Flanged Bushing Removal Tool REV 2	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$1,012.00/Ea	\$1,012.00
Line Item Note SIOP SUB ASSY OF TOP LEVEL RBW6205G06231-3G (ANNUAL USAGE 3)													
2	186400	RBW6205G08131-3GP			Main Rotor Flanged Bushing Install Tool REV 2	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$1,103.00/Ea	\$1,103.00
Line Item Note SIOP SUB ASSY OF TOP LEVEL RBW6205G06231-3G (ANNUAL USAGE 3)													
3	186401	RBW6205G05951-3GP			RBW6205G05951-3GP REV 2	Received	-	4/2/19	1 pcs	1 pcs	0 pcs	\$410.00/pcs	\$0.00
Line Item Note SIOP (ANNUAL USAGE 3)													
4	186402	RBW6205G00632-3GP			Sling, Main Rotor Blade Lift As per Dwg RBW6205G00632-3G Rev. 6	Firmed	-	4/4/19	1 pcs	0 pcs	1 pcs	\$5,980.00/pcs	\$5,980.00
Line Item Note SIOP (ANNUAL USAGE 5)													
5	186395	RBW6405G08732-3GP			Tail Rotor Bushing Removal Tool RBW6405G08732-3G Rev. E	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$770.00/Ea	\$770.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6405G08632-3G (ANNUAL USAGE 3)													
6	186398	RBW6405G08832-3GP			Tail Rotor Bushing Install Tool As Per Dwg RBW6405G08832-3G Rev/ D	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$796.00/Ea	\$796.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6405G08632-3G (ANNUAL USAGE 3)													

Plex 4/10/19 1:01 PM dart.Lussier.Patrick



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Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO041736



Items

Line Item	Job	Part	Supplier Part No	Item No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
7	186417	RBW3205G00151-3GP			Main Landing Gear R&R Wrench REV 2	Received	-	4/2/19	1 pcs	1 pcs	0 pcs	\$400.00/pcs	\$0.00
Line Item Note SIOP (ANNUAL USAGE 2/3)													
8	186420	RBW6205G10451-3GP			Threaded Rod	Firmed	-	4/12/19	1 Ea	0 Ea	1 Ea	\$211.00/Ea	\$211.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
9	186421	RBW6205G10551-3GP			Hammer	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$211.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
10	186423	RBW6205G10351-3GP			Guide rev 1	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$211.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
11	186425	RBW6205G10251-3GP			Threaded Rod	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$211.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
12	186428	RBW6205G10151-3GP			Pusher REV 1	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$299.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
13	186430	RBW6205G10651-3GP			Stop	Received	-	4/2/19	1 Ea	1 Ea	0 Ea	\$185.00/Ea	\$0.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
14	186432	RBW1205G00831-3GP			Upper Deck Platform REV 5	Firmed	-	4/12/19	1 pcs	0 pcs	1 pcs	\$4,200.00/pcs	\$4,200.00
Line Item Note SIOP SUB ASSY FOR TOP LEVEL RBW6205G08931-3G (ANNUAL USAGE 4)													
15	189050	RBW6205G11532-3GP			Swashplate Support Stand As Per Dwg RBW6205G11532-3G REV 5	Received	-	3/14/19	1 pcs	1 pcs	0 pcs	\$8,811.00/pcs	\$0.00
Line Item Note (ANNUAL USAGE 2/3)													
Grand Total:												\$14,072.00	



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER
PO041736



Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 4/10/19 1:01 PM dart.Lussier.Patrick

**METAL TECHNOLOGY INC.**

20 Terry Fox Drive
Vankleek Hill, Ontario K0B 1R0 , Canada
Tel: (613) 678-3957
Fax: (613) 678-3956

Delivery Slip No.: 22888

Date: Apr 09, 2019

Page: 1

Sold to:	Ship to:
Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7	Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, Ontario K6A 1K7
Order No.: 41736R2	Sold By:
Shipped By: pick up	Ship Date: Apr 09, 2019

Description	Bin Loc	Unit	Quantity ordered	Quantity shipped	Quantity on B/O
DART-RBW1205G00831-3GP Upper Deck Platform REVISION 5				1	
DART-RBW6205G10451-3GP Threaded Rod				1	
DART-RBW6205G08131-3GP Man Rotor Flanged Bushing Install Tool REVISION 2				1	
DART-RBW6205G08031-3GP Main Rotor Flanged Bushing Removal Tool REVISION 2				1	
DART-RBW6405G08732-3GP Tail Rotor Bushing Removal Tool REVISION E				1	
DART-RBW6405G08832-3GP Tail Rotor Bushing Install Tool REVISION D				1	
The delivered goods must be inspected upon receipt to confirm compliance. Should there be discrepancies please notify METEC within 30 days of delivery. The goods are otherwise deemed accepted.					
Received by _____			Thank you for your order!		



20 Terry Fox Drive, Vankleek Hill, Ontario K0B 1R0

Tel. (613) 678-3957 & (613) 678-2782 Fax (613) 678-3956 metec@metec.ca

CERTIFICATE OF CONFORMITY

SOLD TO:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, Ont.
K6A 1K7

SHIPPED TO:

same

Quantity	Part Number	Part Name	Dwg Rev.#	P.O. Number
1 ✓	DART-RBW1205G00831- 3GP	Upper Deck Platform	5	41736R2
1 ✓	DART-RBW6205G10451- 3GP	Threaded Rod	-	41736R2
1 ✓	DART-RBW6205G08131- 3GP	Man Rotor Flanged Bushing Install Tool	2	41736R2
1 ✓	DART-RBW6205G08031- 3GP	Main Rotor Flanged Bushing Removal Tool	2	41736R2
1 ✓	DART-RBW6405G08732- 3GP	Tail Rotor Bushing Removal Tool	E	41736R2
1 ✓	DART-RBW6405G08832- 3GP	Tail Rotor Bushing Install Tool	D	41736R2

DAS
40
9-89

MATERIAL: supplied by METEC

We hereby certify that the above parts were made in conformance with applicable drawings.

METEC Metal Technology Inc.

George Theoret

George Theoret

Vankleek Hill, April 9, 2019

SAC
44
9-88